

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086684.D
 Acq On : 19 May 2025 13:02
 Operator : JC\MD
 Sample : PB168034ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#01

Quant Time: May 20 03:17:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

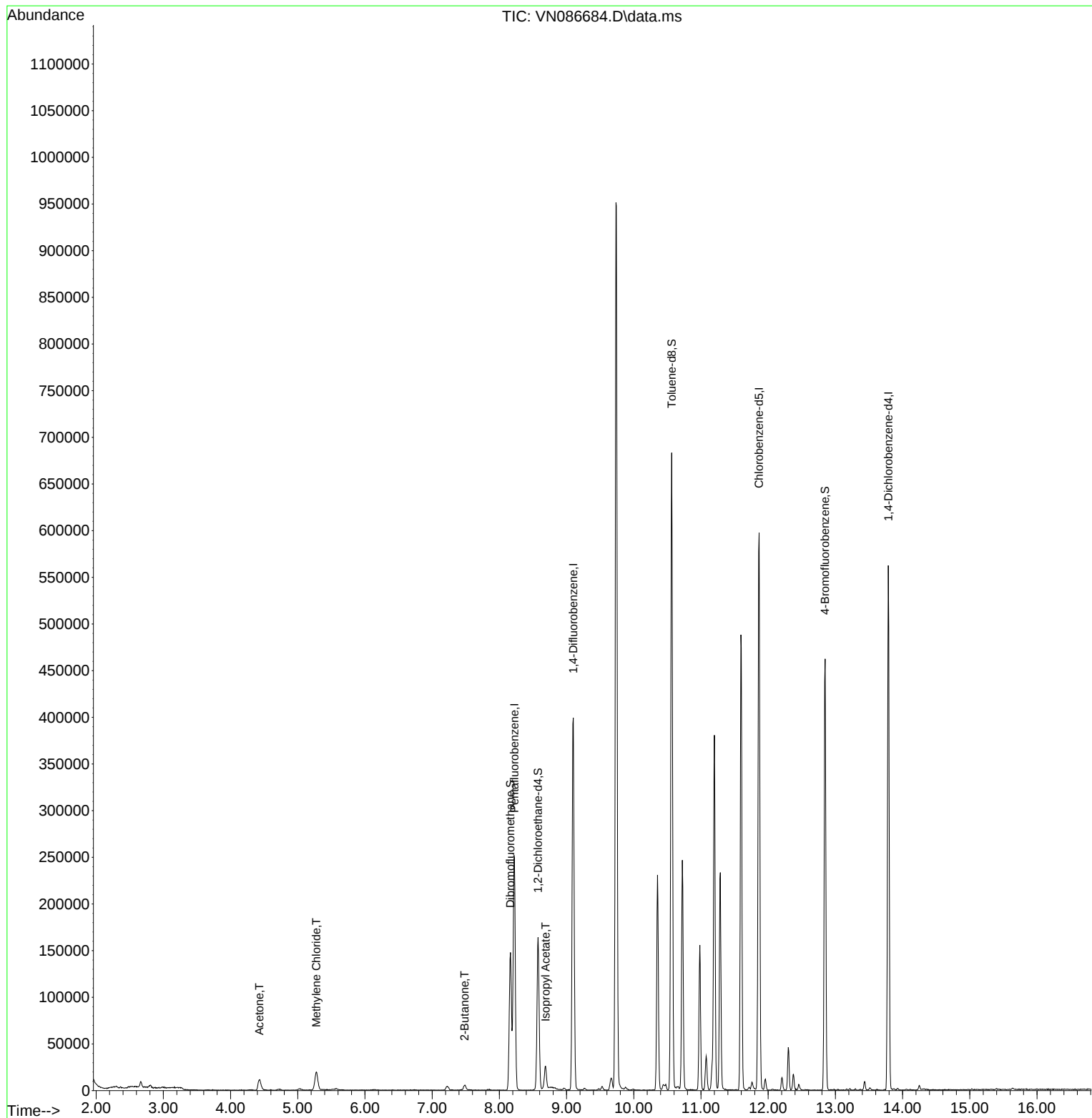
Internal Standards						
1) Pentafluorobenzene	8.224	168	189483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	367732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	364983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133032	50.808	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.620%		
35) Dibromofluoromethane	8.165	113	110327	50.378	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.760%		
50) Toluene-d8	10.565	98	479232	52.805	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.620%		
62) 4-Bromofluorobenzene	12.847	95	173495	54.141	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 108.280%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	23757	24.256	ug/l	98
20) Methylene Chloride	5.277	84	16350	6.326	ug/l	98
25) 2-Butanone	7.483	43	9671	6.390	ug/l	98
43) Isopropyl Acetate	8.688	43	31850	4.869	ug/l #	86

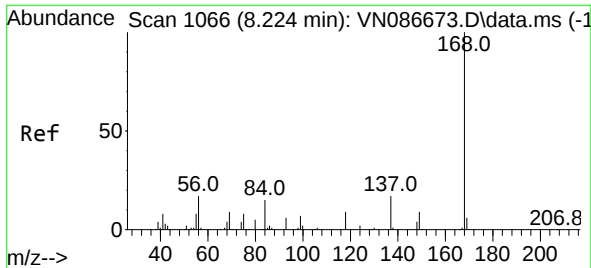
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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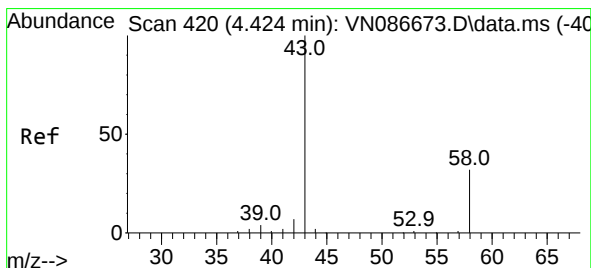
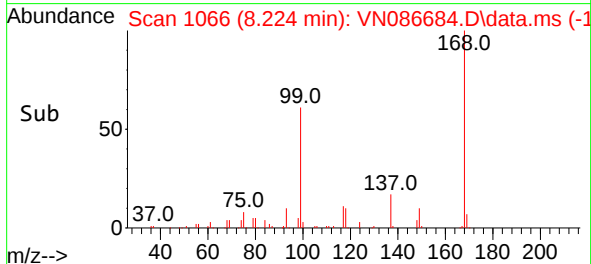
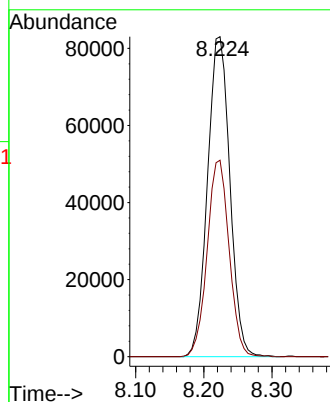
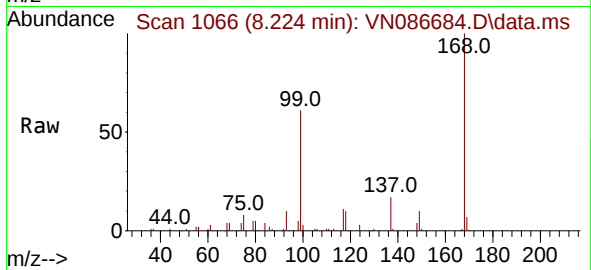




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086684.D
Acq: 19 May 2025 13:02

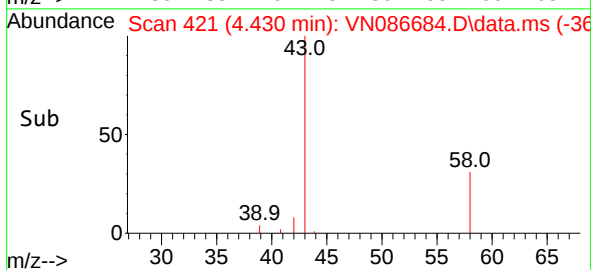
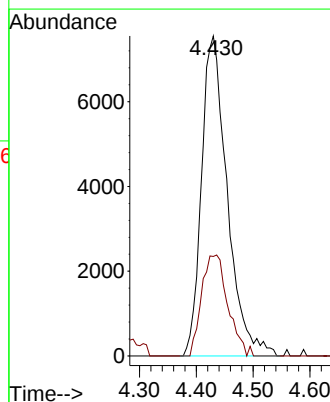
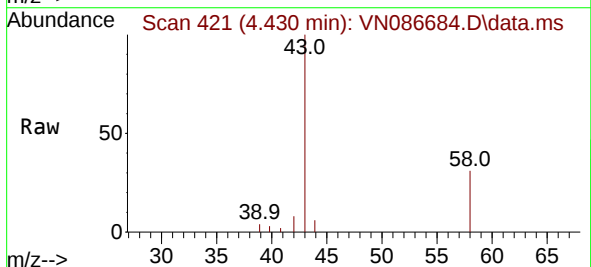
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#01

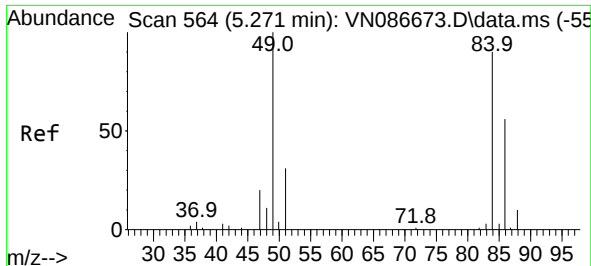
Tgt Ion:168 Resp: 189483
Ion Ratio Lower Upper
168 100
99 61.4 47.0 70.4



#16
Acetone
Concen: 24.256 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086684.D
Acq: 19 May 2025 13:02

Tgt Ion: 43 Resp: 23757
Ion Ratio Lower Upper
43 100
58 31.1 25.8 38.6





#20

Methylene Chloride

Concen: 6.326 ug/l

RT: 5.277 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN086684.D

Acq: 19 May 2025 13:02

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#01

Tgt Ion: 84 Resp: 16350

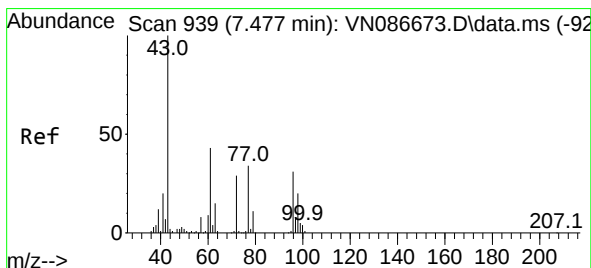
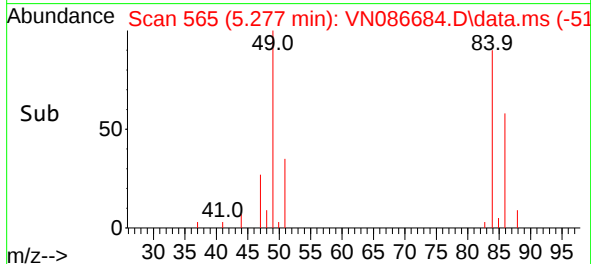
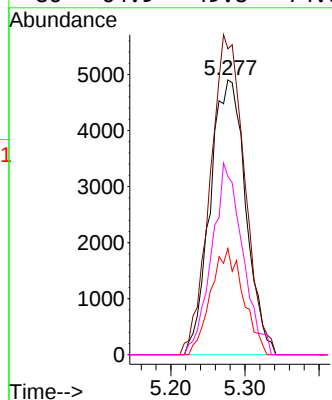
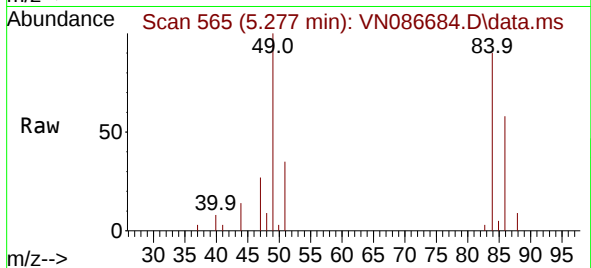
Ion Ratio Lower Upper

84 100

49 111.4 88.8 133.2

51 38.7 27.8 41.6

86 64.9 49.8 74.6



#25

2-Butanone

Concen: 6.390 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN086684.D

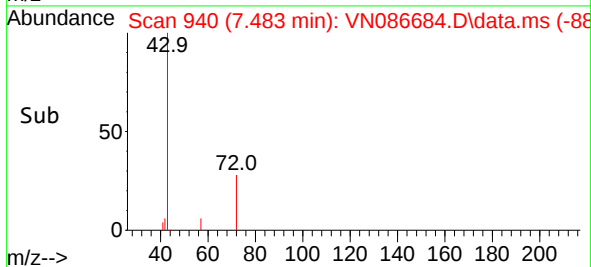
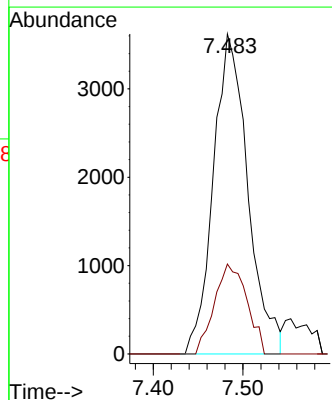
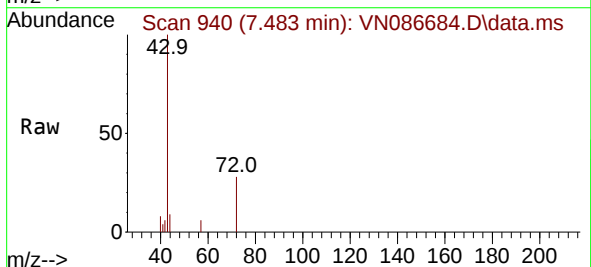
Acq: 19 May 2025 13:02

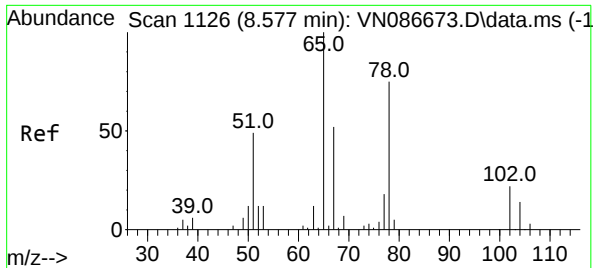
Tgt Ion: 43 Resp: 9671

Ion Ratio Lower Upper

43 100

72 28.1 23.1 34.7

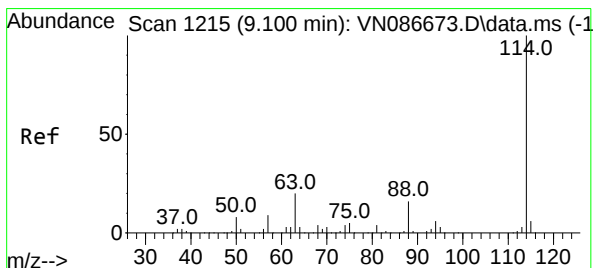
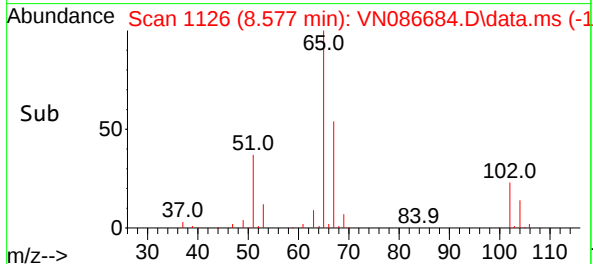
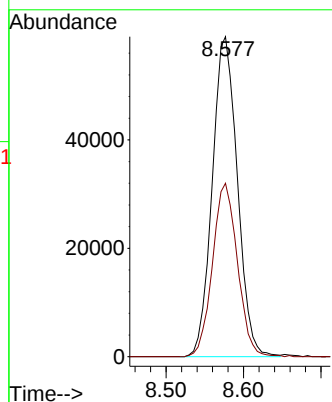
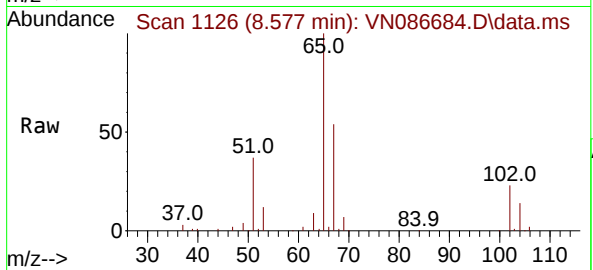




#33
 1,2-Dichloroethane-d4
 Concen: 50.808 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086684.D
 Acq: 19 May 2025 13:02

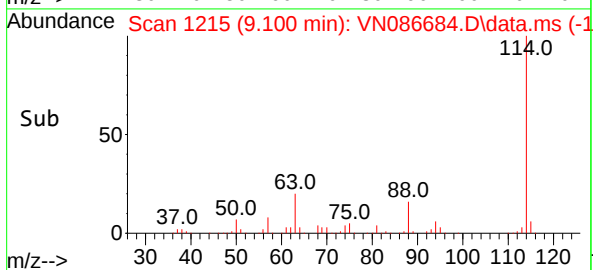
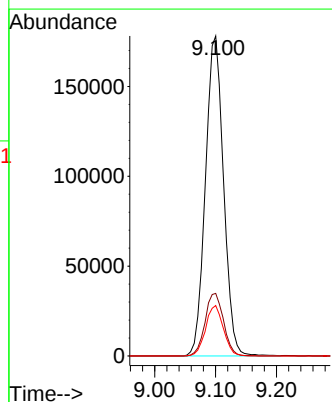
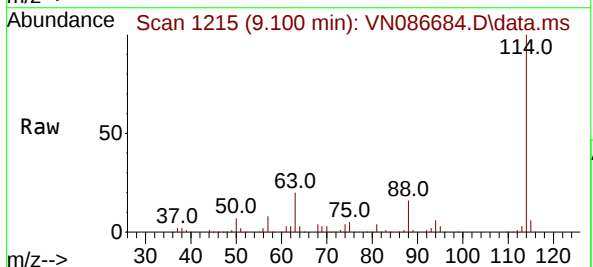
Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#01

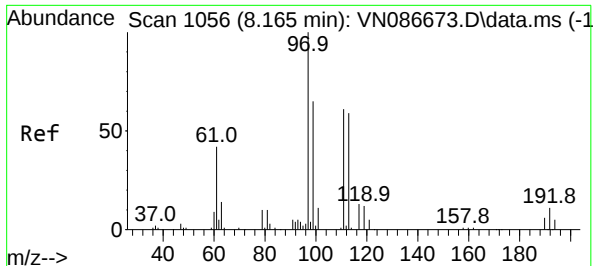
Tgt Ion: 65 Resp: 133032
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN086684.D
 Acq: 19 May 2025 13:02

Tgt Ion: 114 Resp: 367732
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.2
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.378 ug/l

RT: 8.165 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VN086684.D

Acq: 19 May 2025 13:02

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#01

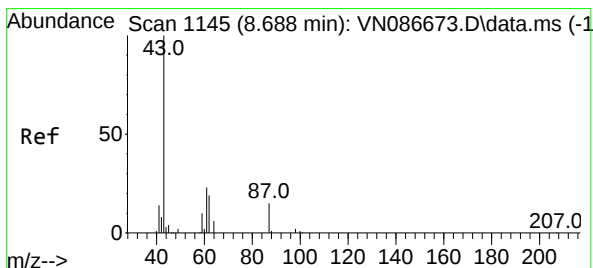
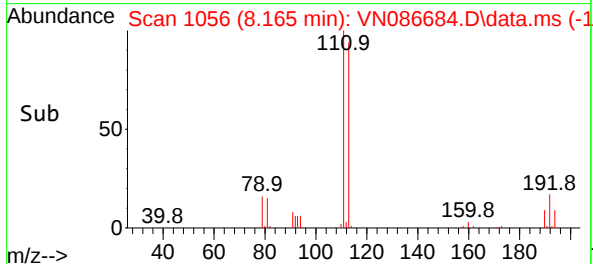
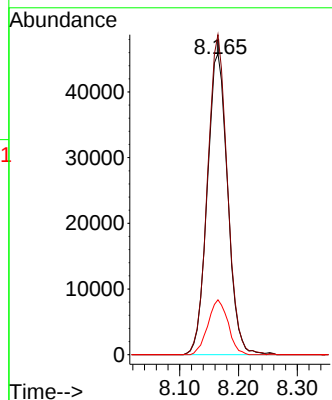
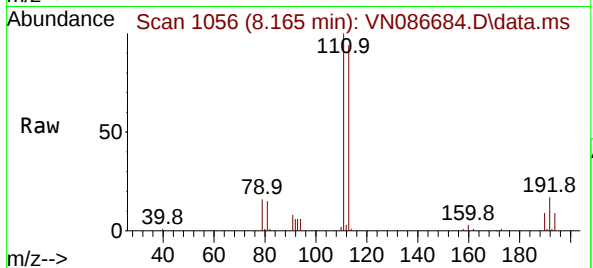
Tgt Ion:113 Resp: 110327

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 18.0 13.8 20.8



#43

Isopropyl Acetate

Concen: 4.869 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN086684.D

Acq: 19 May 2025 13:02

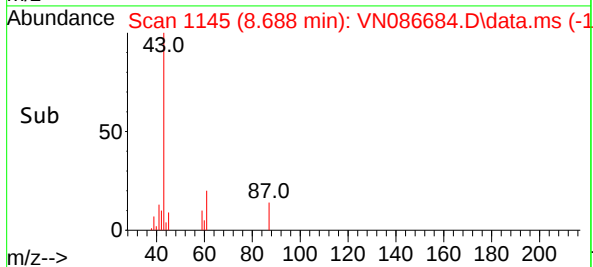
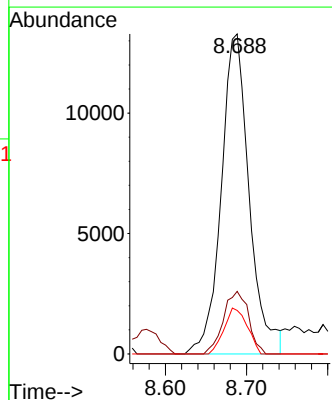
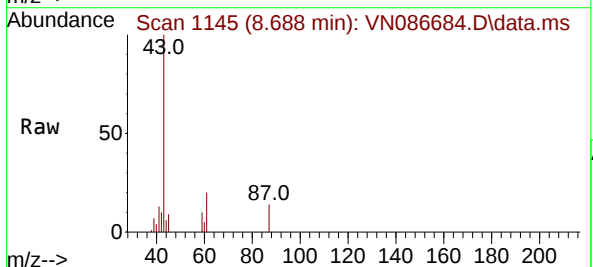
Tgt Ion: 43 Resp: 31850

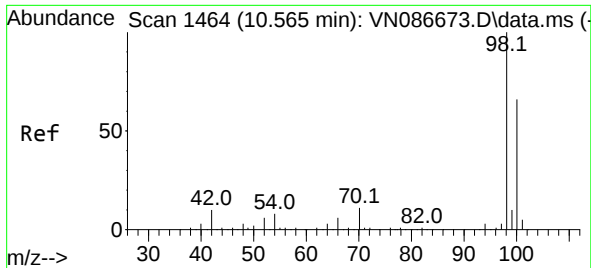
Ion Ratio Lower Upper

43 100

61 17.5 21.4 32.2#

87 11.8 11.1 16.7

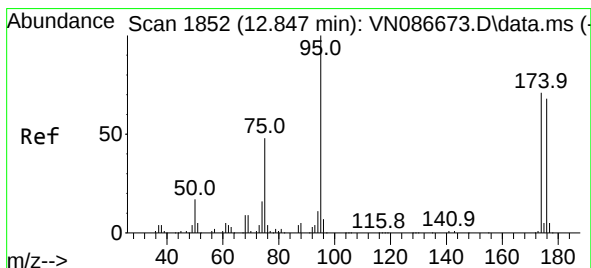
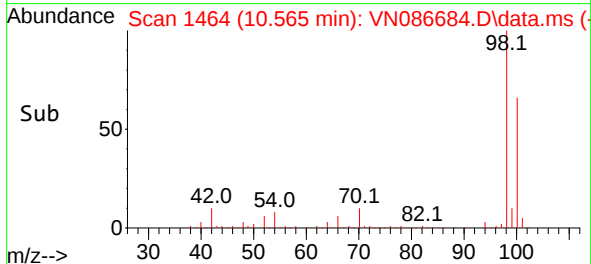
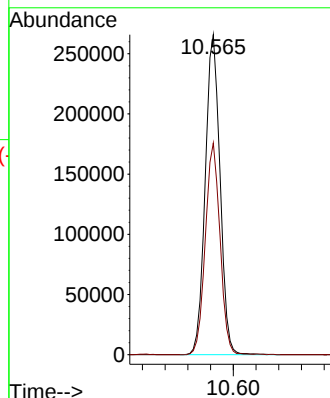
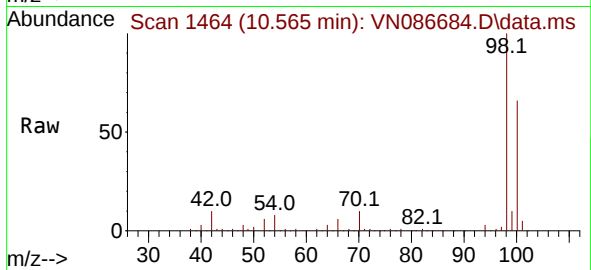




#50
Toluene-d8
Concen: 52.805 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086684.D
Acq: 19 May 2025 13:02

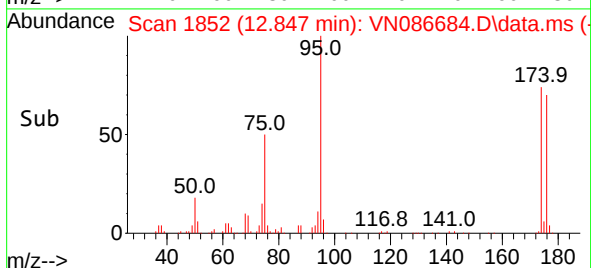
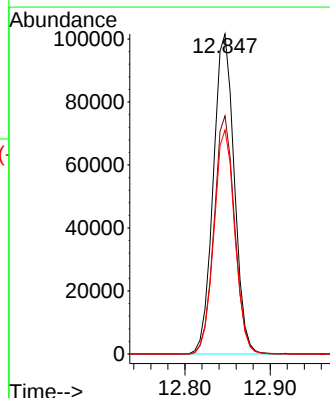
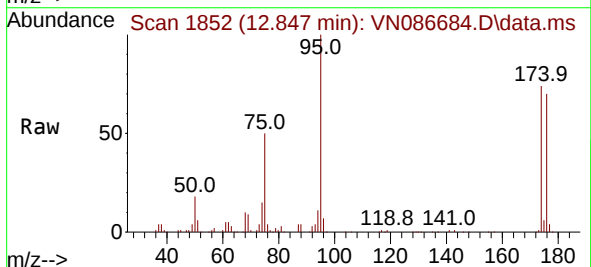
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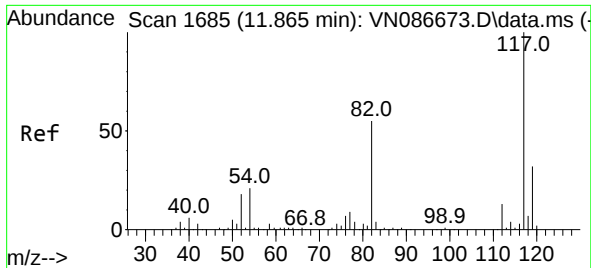
Tgt Ion: 98 Resp: 479232
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 54.141 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086684.D
Acq: 19 May 2025 13:02

Tgt Ion: 95 Resp: 173495
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.4
176 69.6 0.0 137.8

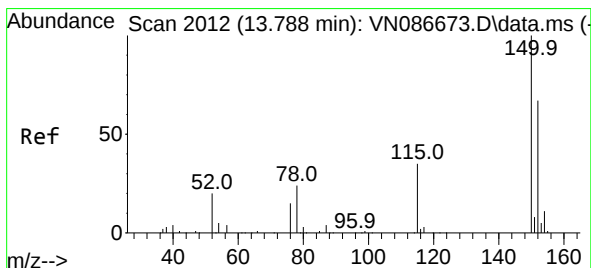
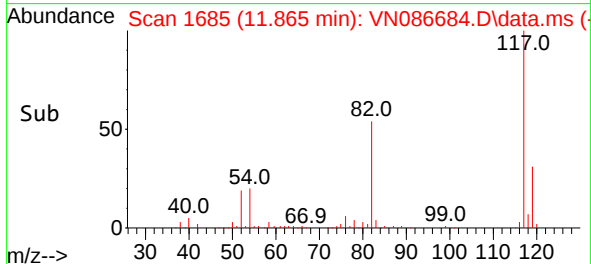
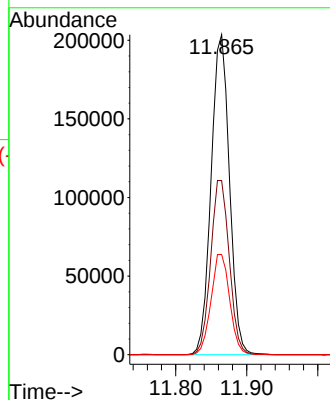
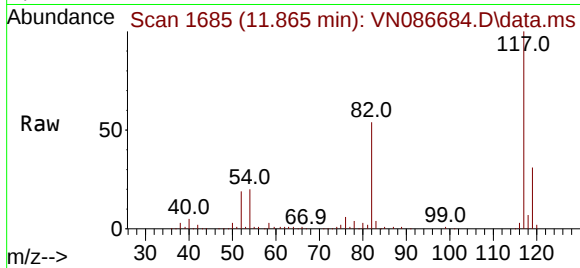




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086684.D
Acq: 19 May 2025 13:02

Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#01

Tgt Ion:117 Resp: 364983
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 31.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086684.D
Acq: 19 May 2025 13:02

Tgt Ion:152 Resp: 155624
Ion Ratio Lower Upper
152 100
115 60.9 30.0 90.1
150 157.0 0.0 347.8

